

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/009979

Exh. 4

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A46B5/00 A46B7/08 A46B9/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A46B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/157202 A1 (HARTEL DAVID) 31 October 2002 (2002-10-31) the whole document	1-8
Y	WO 92/19125 A (GEYTER PIERRE DE ; GEYTER DE KOCK CHRISTIANE DE (BE)) 12 November 1992 (1992-11-12) the whole document	1-8
A	US 5 072 481 A (FRANK WEYER) 17 December 1991 (1991-12-17) the whole document	1-22
A	US 1 932 878 A (KUNIYOSHI AKIZAWA) 31 October 1933 (1933-10-31) the whole document	1-22

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

17 January 2005

Date of mailing of the international search report

26/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Neiller, F

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT /EP2004/009979

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002157202	A1	31-10-2002	NONE	
WO 9219125	A	12-11-1992	BE 1004797 A3 AU 1983692 A WO 9219125 A1	02-02-1993 21-12-1992 12-11-1992
US 5072481	A	17-12-1991	NONE	
US 1932878	A	31-10-1933	NONE	